**LISTING OF CLAIMS:**

Claims 1 and 2 (Cancelled)

Claim 3 (Currently Amended): A surface-modified, pyrogenically produced oxides doped by aerosol, characterized in that the oxides are selected from the group consisting of $SiO_2$, $Al_2O_3$, $TiO_2$, $B_2O_3$, $ZrO_2$, $In_2O_3$, ZnO, $Fe_2O_3$, $Nb_2O_5$, $V_2O_5$, $WO_3$, $SnO_2$ and $GeO_2$, wherein the surface is modified to impart to the surface a sufficient hydrophobic character which permits rapid dissolution in organic systems at high concentrations with one or several compounds selected from the following groups:

a) Organosilanes having either formula $(RO)_3Si(C_nH_{2n+1})$ or $(RO)_3Si(C_nH_{2n-1})$, wherein

R = alkyl, and

n = 1 – 20;

b) Organosilanes having either formula $R'_x(RO)_ySi(C_nH_{2n+1})$ or $(RO)_3Si(C_nH_{2n+1})$, wherein

R = alkyl,

R' = alkyl,

R' = cycloalkyl

n = 1 – 20,

x+y = 3,

x = 1, or 2, and

y = 1, or 2;

c) Halogen organosilanes having either formula $X_3$ $Si(C_nH_{2n+1})$ or $X_3$ $Si(C_nH_{2n-1})$, wherein

X = Cl, or Br, and

n = 1 – 20;

d) Halogen organosilanes having either formula $X_2$ (R') $Si(C_nH_{2n+1})$ or $X_2$ (R') $Si(C_nH_{2n-1})$ , wherein

X = Cl, or Br

R' = alkyl ~~and~~ or cycloalkyl, and

n = 1 – 20;

e) Halogen organosilanes having formula X $(R')_2$ $Si(C_nH_{2n+1})$ or X $(R')_2$ $Si(C_nH_{2n-1})$ , wherein

X = Cl, or Br;

R' = alkyl or ~~and~~ cycloalkyl, and

n = 1 – 20;

f) Organosilanes having the formula $(RO)_3Si(CH_2)_m$-R'

R = alkyl,

m = 0, or 1-20, and

R' = methyl-, aryl-, -$C_6H_5$, substituted phenyl groups,

-$C_4F_9$, $OCF_2$-CHF-$CF_3$, -$C_6F_{13}$, -O-$CF_2$-$CHF_2$,

-$NH_2$, =$N_3$, -SCN, -CH=$CH_2$, -NH- $CH_2$-$CH_2$-$NH_2$,

-N-($CH_2$-$CH_2$-$CH_2NH_2$)$_2$,

-$OOC(CH_3)C = CH_2$,

-$OCH_2$-CH(O) $CH_2$,

-NH-CO-N-CO- $(CH_2)_5$,

-NH-COO-$CH_3$, -NH-COO-$CH_2$-$CH_3$, -NH-$(CH_2)_3Si(OR)_3$,

-SH, or

-NR'R''R''', wherein R' = alkyl, or aryl; R'' = H, alkyl, aryl; and R''' = H, alkyl, aryl, benzyl, or $C_2H_4N(R'''')_2$, wherein R'''' = H, or alkyl;

g) Organosilanes having the formula $(R'')_x$ $(RO)_y$ $Si(CH_2)_m$-R', wherein

R'' = alkyl, or cycloalkyl,

x+y = 2,

x = 1, or 2,

y = 1, or 2,

m = 0, or 1 to 20, and

R' = methyl-, aryl, -$C_6H_5$, substituted phenyl groups,

-$C_4F_9$, -$OCF_2$-CHF-$CF_3$, -$C_6F_{13}$, -O-$CF_2$-$CHF_2$,

-$NH_2$, -$N_3$, SCN, -CH= $CH_2$, -NH-$CH_2$-$CH_2$-$NH_2$,

-N-($CH_2$-$CH_2$-$NH_2$)$_2$,

-OOC $(CH_3)C = CH_2$,

$-OCH_2-CH(O)\ CH_2$,

$-NH-CO-N-CO-(CH_2)_5$,

$-NH-COO-CH_3$, $-NH-COO-CH_2-CH_3$, $-NH-(CH_2)_3Si(OR)_3$,

or -SH , or

-NR'R''R''', wherein R' = alkyl, or aryl; R'' = H,

alkyl, or aryl; and R''' = H, alkyl, aryl, benzyl, or

$C_2H_4N(R'''')_2$, wherein R'''' = H, or alkyl ;

h) Halogen organosilanes having the formula $X_3Si\ (CH_2)_m$-R', wherein

X = Cl, or Br,

m = 0, 1 – 20,

R' = methyl-, aryl, $-C_6H_5$, substituted phenyl groups

$-C_4F_9$, $-OCF_2-CHF-CF_3$, $-C_6F_{13}$, $-O-CF_2-CHF_2$,

$-NH_2$, $-N_3$, SCN, $-CH=CH_2$, $-NH-CH_2-CH_2-NH_2$,

$-N-(CH_2-CH_2-NH_2)_2$,

$-OOC\ (CH_3)C = CH_2$,

$-OCH_2-CH(O)\ CH_2$,

$-NH-CO-N-CO-(CH_2)_5$,

$-NH-COO-CH_3$, $-NH-COO-CH_2-CH_3$, $-NH-(CH_2)_3Si(OR)_3$, or

-SH;

i) Halogen organosilanes having the formula $(R)X_2Si(CH_2)_m$-R', wherein

X = Cl, or Br,

R = alkyl such as methyl-, ethyl-, or propyl-,

m = 0, or 1 – 20, and

R' = methyl-, aryl- , $-C_6H_5$, substituted phenyl groups,

$-C_4F_9$, $-OCF_2-CHF-CF_3$, $-C_6F_{13}$, $-O-CF_2-CHF_2$,

$-NH_2$, $-N_3$, SCN, $-CH=CH_2$, $-NH-CH_2-CH_2-NH_2$,

$-N-(CH_2-CH_2-NH_2)_2$,

$-OOC\ (CH_3)C = CH_2$,

$-OCH_2-CH(O)\ CH_2$,

$-NH-CO-N-CO-(CH_2)_5$,

$-NH-COO-CH_3$, $-NH-COO-CH_2-CH_3$,

$-NH-(CH_2)_3Si(OR)_3$, or

-SH;

(j) Halogen organosilanes having the formula $(R)_2X\ Si(CH_2)_m$-R', wherein

X = Cl, or Br,

R = alkyl,

m = 0, or 1 – 20, and

R' = methyl-, aryl-, $-C_6H_5$, substituted phenyl groups,

$-C_4F_9$, $-OCF_2-CHF-CF_3$, $-C_6F_{13}$, $-O-CF_2-CHF_2$,

$-NH_2$, $-N_3$, SCN, $-CH=CH_2$, $-NH-CH_2-CH_2-NH_2$,

-N-($CH_2$-$CH_2$-$NH_2$)$_2$,

-OOC ($CH_3$)C = $CH_2$,

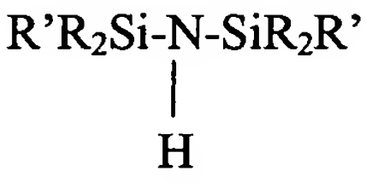
-O$CH_2$-CH(O) $CH_2$,

-NH-CO-N-CO-($CH_2$)$_5$,

-NH-COO-$CH_3$, -NH-COO-$CH_2$-$CH_3$, -NH-($CH_2$)$_3$Si(OR)$_3$, or

-SH;

(k) Silazanes having the formula

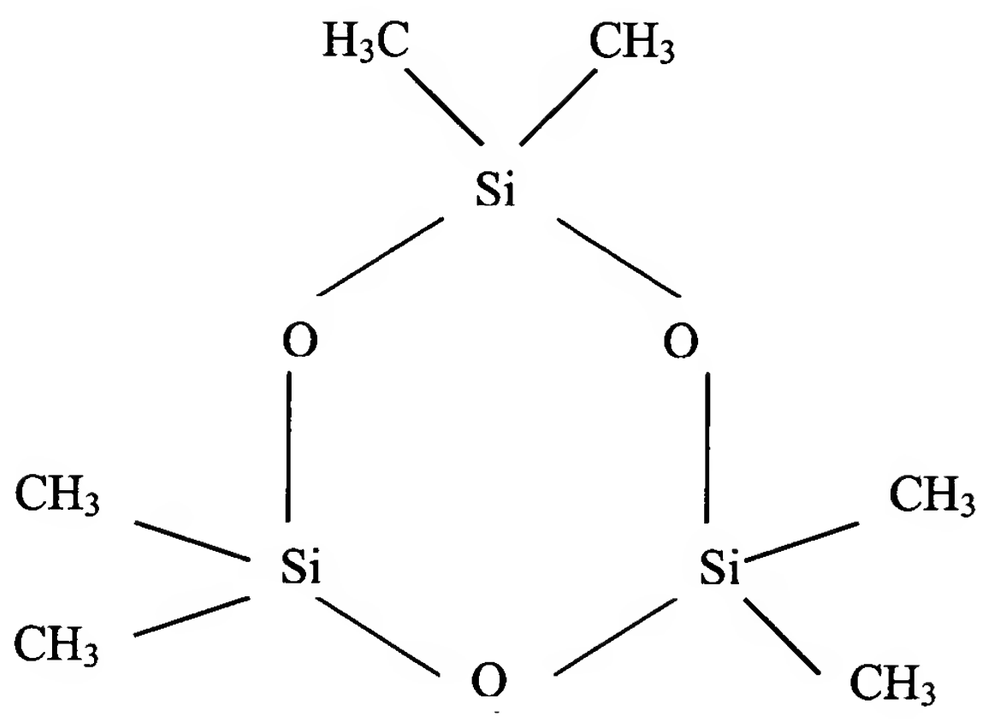


wherein R = alkyl, and

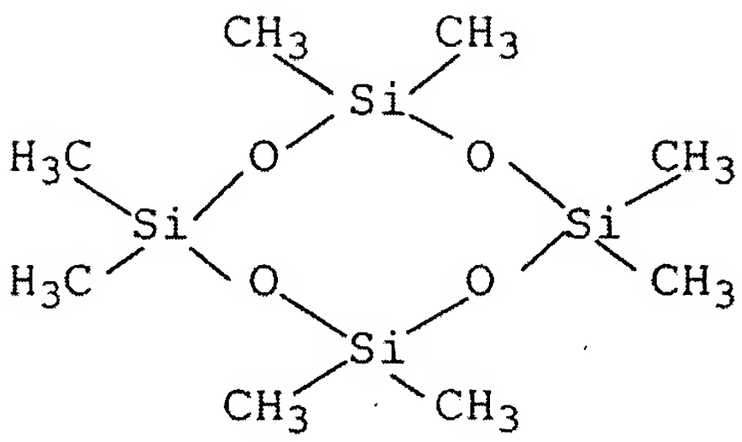
R' = alkyl, or vinyl; or

(l) Cyclic polysiloxanes D 3, D 4 or D 5,

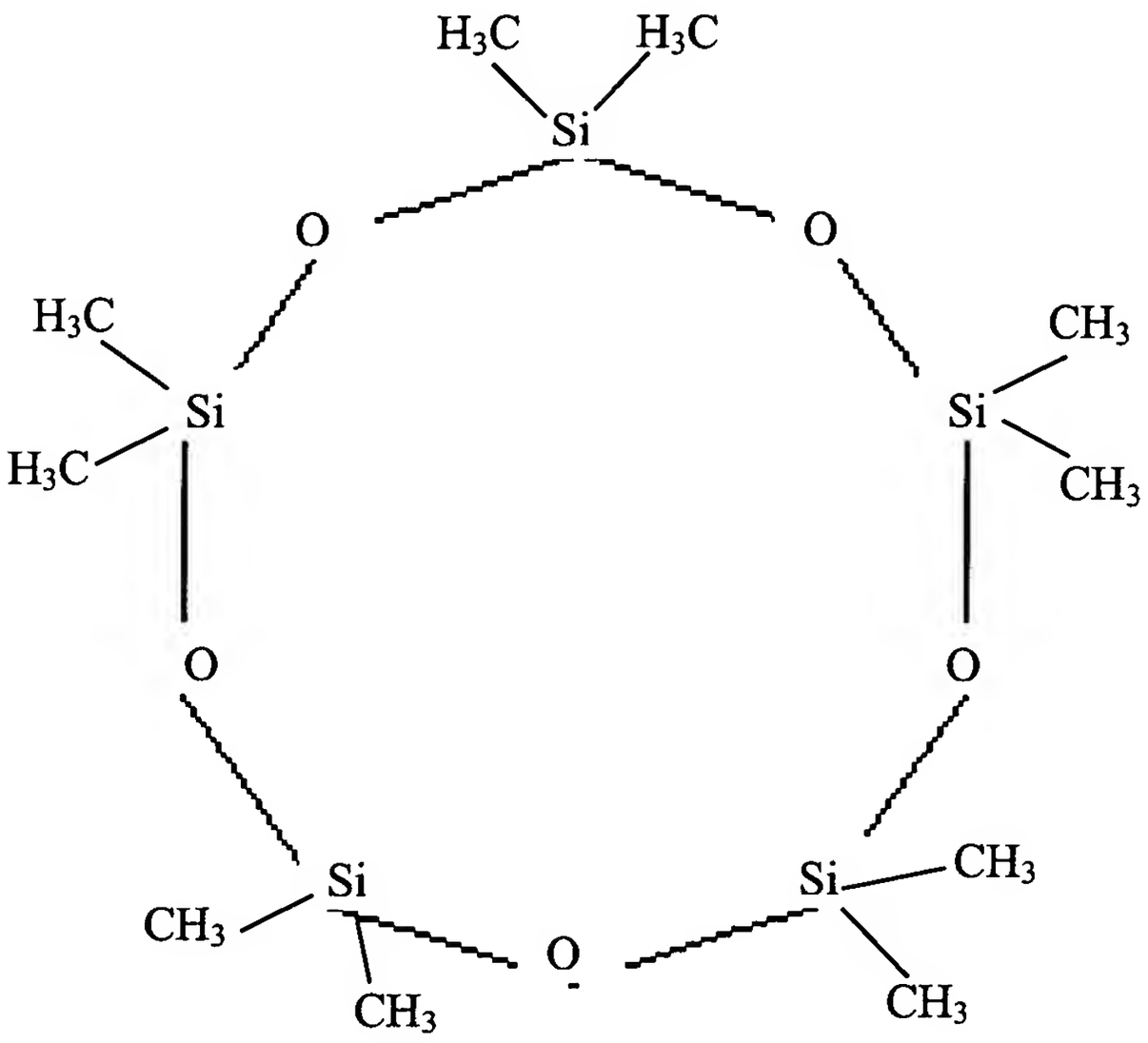
where 1) D3 has the formula:



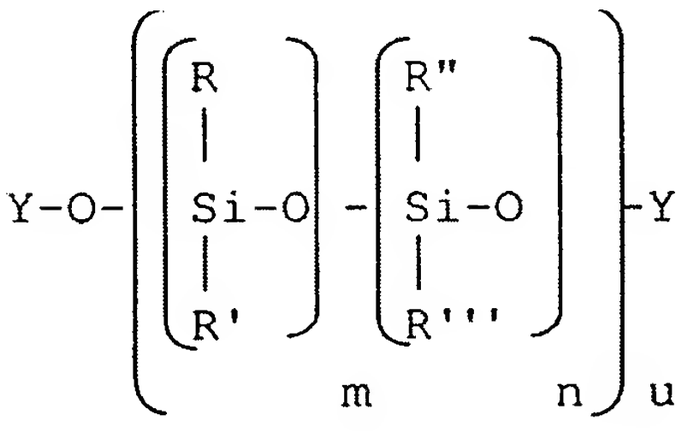

2) D4 has the formula:




and 3) D5 has the formula:



m) Polysiloxanes or silicone oils having any one of the formula



m = 0,1,2,3,...∞
n = 0,1,2,3,...∞
u = 0,1,2,3,...∞

Y=$CH_3$, H, $C_nH_{2n+1}$ n=1-20
Y=$Si(CH_3)_3$, $Si(CH_3)_2H$

, $Si(CH_3)_2OH$, $Si(CH_3)_2(OCH_3)$, or

$Si(CH_3)_2(C_nH_{2n+1})$, wherein n=1-20,

wherein,

R = alkyl, aryl, $(CH_2)_n$-$NH_2$, or H,

R' = alkyl, aryl, $(CH_2)_n$-$NH_2$, or H,

R'' = alkyl, aryl, $(CH_2)_n$-$NH_2$, or H,

R'''= alkyl, aryl, $(CH_2)_n$-$NH_2$, or H.

Claim 4 (Previously presented): A method of producing the surface-modified oxides in accordance with claim 3, comprising placing pyrogenically produced oxides doped by aerosol in a suitable mixing container, spraying the oxides under intensive mixing with the surface-modification reagent or a mixture of several surface-modification reagents.

Claim 5 (Previously presented): In a reinforcing filler composition wherein the improvement comprises the surface-modified oxides according to claim 3 as reinforcing filler.

Claim 6 (Original) The method of claim 4 wherein the spraying step includes spraying with water and/or acid prior to the spraying with the surface-modification reagent or a mixture of several surface-modification reagents.

Claim 7 (Original) The method of claim 4 further comprising re-mixing at 15 to 30 minutes and tempering at a temperature of 100 to 400 °C for a period of 1 to 6 hours.

Claim 8 (Previously presented) The surface-modified, pyrogenically produced oxides according to claim 3 wherein the cyclic polysiloxanes is D 4.

Claim 9 (Cancelled)